

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q97358

Kazuyuki KIRIYAMA, et al.

Appln. No.: 10/594,451

Group Art Unit: 1764

Confirmation No.: 9230

Examiner: Not yet determined

Filed: January 9, 2007

For: CATALYST FOR HYDROTREATING HYDROCARBON OIL, PROCESS FOR  
PRODUCING THE SAME, AND METHOD FOR HYDROTREATING HYDROCARBON  
OIL

**REQUEST FOR CORRECTED OFFICIAL FILING RECEIPT**

**ATTN:** Office of Initial Patent Examination  
Filing Receipt Correction  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

We enclose a copy of the Official Filing Receipt for the above-identified application and  
request the following correction:

Assignment For Published Patent Application:

COSMO OIL CO., LTD., Tokyo~~Satte~~-shi, JAPAN

Verification for the requested correction is indicated on the Application Transmittal Letter  
filed on September 26, 2006 and the Assignment filed February 15, 2007.

Respectfully submitted,

/markboland/

SUGHRUE MION, PLLC  
Telephone: (202) 293-7060  
Facsimile: (202) 293-7860

Mark Boland  
Registration No. 32,197

WASHINGTON DC SUGHRUE/265550

**65565**

CUSTOMER NUMBER

Date: November 12, 2007



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
10/594,451	01/09/2007	1764	1390	Q97358	7	1

65565  
SUGHRUE-265550  
2100 PENNSYLVANIA AVE. NW  
WASHINGTON, DC 20037-3213

**DOCKETED**  
OCT 18 2007

CONFIRMATION NO. 9230  
FILING RECEIPT



OC000000026286388

Date Mailed: 10/17/2007

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

**Applicant(s)**

Kazuyuki Kiriya, Satte-shi, JAPAN;  
Takashi Fujikawa, Satte-shi, JAPAN;  
Masahiro Kato, Sapporo-shi, JAPAN;  
Minoru Hashimoto, Satte-shi, JAPAN;

**Assignment For Published Patent Application**

~~COSMO OIL, LTD., Satte-shi, JAPAN~~

**COSMO OIL CO., LTD., Tokyo, JAPAN**

**Power of Attorney:** The patent practitioners associated with Customer Number 23373

**Domestic Priority data as claimed by applicant**

This application is a 371 of PCT/JP05/05099 03/22/2005

**Foreign Applications**

JAPAN 2004-092795 03/26/2004  
JAPAN 2005-051761 02/25/2005

**If Required, Foreign Filing License Granted: 10/15/2007**

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 10/594,451**

**Projected Publication Date: 01/24/2008**

**Non-Publication Request: No**

**Early Publication Request: No**

**Title**

Catalyst for Hydrotreating Hydrocarbon Oil, Process for Producing the Same, and Method for Hydrotreating Hydrocarbon Oil

**Preliminary Class**

208

**PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES**

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

**LICENSE FOR FOREIGN FILING UNDER**

**Title 35, United States Code, Section 184**

**Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where

the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

#### **NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

September 26, 2006

**MAIL STOP PCT**

Commissioner for Patents  
P.O. BOX 1450  
Alexandria, VA 22313-1450

PCT/JP2005/005099  
-filed March 22, 2005

Re: Application of Kazuyuki KIRIYAMA; Takashi FUJIKAWA; Masahiro KATO  
and Minoru HASHIMOTO  
CATALYST FOR HYDROTREATING HYDROCARBON OIL, PROCESS  
FOR PRODUCING THE SAME, AND METHOD FOR HYDROTREATING  
HYDROCARBON OIL  
**Assignee: COSMO OIL CO., LTD.**  
Our Ref: Q97358

Dear Sir:

The following documents are submitted herewith in connection with the above application for the purpose of entering the National stage under 35 U.S.C. §371 and in accordance with the Patent Cooperation Treaty:

- ☒ an English translation of the International Application.
- ☒ an Information Disclosure Statement and a copy of the ISR.
- ☒ a PTO/SB/08 A & B (modified) listing the ISR references.
- ☒ a copy of each reference cited in the ISR.
- ☒ Notification Concerning Submission or Transmittal of Priority Document.

A copy of the Declaration and Power of Attorney and a copy of the Assignment will be submitted at a later date.

In addition to the documents submitted herewith, it is assumed that copies of the International Application, the International Search Report and cited references, the International Preliminary Examination Report, and any Articles 19 and 34 amendments as required by §371(c) will be supplied directly by the International Bureau, but if further copies are needed, the undersigned will undertake to provide them upon request.

It is expressly requested that the national stage of processing be commenced immediately in accordance with 35 U.S.C. § 371(f).



Commissioner of Patents  
National Stage of PCT/JP2005/005099  
Attorney Docket No. Q97358

The Government filing fee is calculated as follows:

Total claims	<u>7</u> - 20 = _____	x	\$50.00 =	<u>\$0.00</u>
Independent claims	<u>1</u> - 3 = _____	x	\$200.00 =	<u>\$0.00</u>
Base Fee				<u>\$300.00</u>
Search Fee*				<u>\$400.00</u>
Examination Fee*				<u>\$200.00</u>
Multiple Claims Fee				<u>\$360.00</u>
<b><u>TOTAL FEE</u></b>				<u><b>\$1260.00</b></u>

\* The international search fee for all claims was not paid to the USPTO, as the ISA, but the ISR is being submitted herewith.

A check for the statutory filing fee of \$1260.00 is attached. The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this transmittal letter is attached.

Priority is claimed from:

<u>Country</u>	<u>Application No</u>	<u>Filing Date</u>
Japan	2004-092795	March 26, 2004
Japan	2005-051761	February 25, 2005

Respectfully submitted,

SUGHRUE MION, PLLC  
Telephone: (202) 293-7060  
Facsimile: (202) 293-7860

WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Mark Boland  
Registration No. 32,197

Date: September 26, 2006

# ASSIGNMENT

Whereas, I/we Kazuyuki KIRIYAMA, Takashi FUJIKAWA of Saitama, Japan; Masahiro KATO of Hokkaido, Japan and Minoru HASHIMOTO of Saitama, Japan

hereinafter called assignor(s), have invented certain improvements in

CATALYST FOR HYDROTREATING HYDROCARBON OIL, PROCESS FOR PRODUCING THE SAME, AND METHOD FOR HYDROTREATING HYDROCARBON OIL

and executed an application for Letters Patent of the United States of America therefor on

November 20, 2006; and

Whereas, COSMO OIL CO., LTD.  
of 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8528 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. § 119, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my/our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

PCT Application No.: PCT/JP2005/005099

PCT Filing Date: March 22, 2005

Date: November 20, 2006 s/ Kazuyuki KiriYama  
Kazuyuki KIRIYAMA

Date: November 20, 2006 s/ Takashi Fujikawa  
Takashi FUJIKAWA

Date: s/ \_\_\_\_\_  
Masahiro KATO

Date: November 20, 2006 s/ Minoru Hashimoto  
Minoru HASHIMOTO

Date: s/ \_\_\_\_\_

# ASSIGNMENT

Whereas, I/we Kazuyuki KIRIYAMA, Takashi FUJIKAWA of Saitama, Japan; Masahiro KATO of Hokkaido, Japan and Minoru HASHIMOTO of Saitama, Japan

hereinafter called assignor(s), have invented certain improvements in

CATALYST FOR HYDROTREATING HYDROCARBON OIL, PROCESS FOR PRODUCING THE  
SAME, AND METHOD FOR HYDROTREATING HYDROCARBON OIL

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Whereas, COSMO OIL CO., LTD.  
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(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. § 119, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my/our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

PCT Application No.: PCT/JP2005/005099

PCT Filing Date: March 22, 2005

Date: s/ \_\_\_\_\_  
Kazuyuki KIRIYAMA

Date: s/ \_\_\_\_\_  
Takashi FUJIKAWA

Date: November 20, 2006 s/ Masahiro Kato  
Masahiro KATO

Date: s/ \_\_\_\_\_  
Minoru HASHIMOTO

Date: s/ \_\_\_\_\_